

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A method of screening for a sample compound having an antifungal activity, wherein the method comprises the steps of:
 - (1) contacting a test sample with an overexpressed protein encoded by the GWT1 gene;
 - (2) adding glucosaminyl-acylphosphatidylinositol (GlcN-(acyl)PI) precursor to the mixture of the test sample and the protein;
 - (2) (3) detecting GlcN-(acyl)PI; and
 - (3) (4) selecting the test sample that decreases GlcN-(acyl)PI.
2. (Currently Amended) The method of claim 1, wherein the GWT1 gene is any one of the following:
 - (a) a DNA encoding a protein comprising the amino acid sequence of SEQ ID NO: 2, 4, 6, 8, 10, or 14;
 - (b) a DNA comprising the nucleotide sequence of SEQ ID NO: 1, 3, 5, 7, 9, 11, 12, or 13;
 - (c) a DNA hybridizing to the DNA comprising the nucleotide sequence of SEQ ID NO: 1, 3, 5, 7, 9, 11, 12, or 13 under stringent conditions, wherein the stringent conditions are hybridization in 4x SCC at 65°C for one hour; and
 - (d) a DNA encoding a protein comprising the amino acid sequence of SEQ ID NO: 2, 4, 6, 8, 10, or 14, wherein 30 or less one or more amino acids have been added, deleted, substituted, and/or inserted; and

- (3) a DNA encoding a protein which has more than 60% identity to the amino acid sequence of SEQ ID NO: 2, 4, 6, 8, 10, or 14.

3. (Currently Amended) The method of claim 2, wherein the step of detecting the acylated glycosylphosphatidylinositol (GPI) GPI is thin-layer chromatography.

4. (Currently Amended) The method of claim 3, wherein the method further comprises a step 4, of determining whether the selected test sample inhibits the process of transporting a glycosylphosphatidylinositol (GPI-anchored) GPI-anchored protein to a fungal cell wall, whether the test sample inhibits the expression of a GPI-anchored protein on a fungal cell surface, or whether the test sample inhibits the proliferation of a fungi.

5. (Previously Presented) The method of claim 1, wherein the step of detecting the acylated GPI is thin-layer chromatography.

6. (Previously Presented) The method of claim 5, wherein the method further comprises a step 4, of determining whether the selected test sample inhibits the process of transporting a GPI-anchored protein to a fungal cell wall, whether the test sample inhibits the expression of a GPI-anchored protein on a fungal cell surface, or whether the test sample inhibits the proliferation of a fungi.

7-8. (Cancelled)

9. (Previously Presented) The method of claim 1, wherein the method further comprises a step 4, of determining whether the selected test sample inhibits the process of transporting a GPI-anchored protein to a fungal cell wall, whether the test sample inhibits the expression of a GPI-anchored protein on a fungal cell surface, or whether the test sample inhibits the proliferation of a fungi.

10. (Previously Presented) The method of claim 2, wherein the method further comprises a step 4, of determining whether the selected test sample inhibits the process of

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PATENT

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Reply to Office Action of October 6, 2009, the response to
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by the attached Petition to Extend Time and requisite fee

transporting a GPI-anchored protein to a fungal cell wall, whether the test sample inhibits the expression of a GPI-anchored protein on a fungal cell surface, or whether the test sample inhibits the proliferation of a fungi.